IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: SUNDARAM, Mani et al.

Group Art Unit:

Serial No.

Examiner:

Filed:

HEREIN

Atty. Dkt. No: 20030127-US

For: QWIP WITH ELECTRON LAUNCHER FOR REDUCING DIELECTRIC RELAXATION EFFECT IN LOW BACKGROUND CONDITIONS

To:

Mail Stop Patent Application

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Fm: 24222

CERTIFICATE OF MAILING 37 CFR 1.10: I certify that this correspondence is being deposited on the below date with the U.S. Postal Service with sufficient postage as EXPRESS MAIL POST OFFICE TO ADDRESSEE addressed to: Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, VA22313-1450.

Date: 03 18 2004

Debra A. Stengel or [] Scott J. Asmus, Reg. No. 42,269

Commissioner:

LETTER OF TRANSMITTAL

Submitted herewith is a application for United States patent consisting of 1 page Fee
Transmittal form PTO/SB/17 to cover filing fee, 2 pages Patent Application Bibliographic
Data Sheet, <u>15</u> pages of specification and claims, <u>3</u> sheets of drawings, <u>1</u> page of
declaration and power of attorney.
[] (37 CFR 1.9(f) & 1.27(c)) Small Entity status applies.
[] (35 U.S.C. 122(b)(2)(B)(i)) PTO form PTO/SB/35 Nonpublication Request enclosed
[X] (37 CFR 1.84(J)) – Applicant requests FIG. 2 for inclusion on the front page of the
patent application publication and patent.
PCT application being filed concurrently

The invention was not made by an agency of the United States Government nor under a contract with an agency of the United States Government.



EXPRESS MAIL CERTIFICATE EL 962 754 646 US

Fee cal	cul	ation	tabl	le
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Fee calculation is based on 3 independent and 20 total claims	
37CFR1.16(a) Basic filing fee – Utility - \$770.00	\$770.00
37CFR1.16(b) Independent claims in excess of threex \$86.00 ea.	
37CFR1.16(c) Claims in excess of twentyx \$18.00 ea.	
TOTAL DUE:	\$770.00

DEPOSIT ACCOUNT **190130** AUTHORIZATION – The Office is hereby authorized to charge the required fee, and any deficiency or credit any overpayment in the fees to the above deposit account, owned by BAE SYSTEMS Information and Electronic Systems Integration Inc. an authorized signator for which is Kevin M. Perkins, V.P. & Company Counsel, and for whom the undersigned are authorized agents.

Respectfully submitted,

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Attorneys/Agents for Applicant

Signature

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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S EEE TOANSMITTAI	ı L	Complete if Known						
🖺 FEE TRANSMITTAI	- [Application Number						
G for EV 2004			Filing Date			HEREIN		
for FY 2004			First Named Inventor			SUNDARAM, Mani		
Effective 10/01/2003. Patent fees are subject to annual revision.		Exam	iner Na	me				
Applicant claims small entity status. See 37 CFR 1.27	┷	Art Unit						
TOTAL AMOUNT OF PAYMENT (\$) 770.00						20030127-US	—	
METHOD OF PAYMENT (check all that apply)								
	FEE CALCULATION (continued) 3. ADDITIONAL FEES							
Check Credit card Money Other None None			Small		5			
Deposit Account:	Fee			Fee		Fee Description		
Deposit Account 190130	Code	(\$)	Code	(\$)		·	Fee Paid	
Number Deposit DAF Contact of the Co	1051	130	2051			arge - late filing fee or oath		
Account BAE Systems	1052	50	2052			arge - late provisional filing fee or sheet		
Name The Director is authorized to: (check all that apply)	1053	130	1053			inglish specification		
Charge fee(s) indicated below Credit any overpayments		2,520	i			ng a request for ex parte reexamination	├ ──┤┃	
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804			esting publication of SIR prior to iner action	<u> </u>	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805 1	1,840*		esting publication of SIR after iner action		
FEE CALCULATION	1251	110	2251	55	Exten	sion for reply within first month	<u> </u>	
1. BASIC FILING FEE	1252	420	2252	210	Exter	nsion for reply within second month	 	
Large Entity Small Entity	1253	950	2253	475	Exter	nsion for reply within third month	I	
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Exter	sion for reply within fourth month		
1001 770 2001 385 Utility filing fee 770	1255	2,010	2255	1,005	Exter	nsion for reply within fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notic	e of Appeal		
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing	a brief in support of an appeal		
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Requ	est for oral hearing	<u> </u>	
1005 160 2005 80 Provisional filing fee		1,510		1,510	Petitio	on to institute a public use proceeding		
SUBTOTAL (1) (\$) 770	1452	110	2452	55	Petitio	on to revive - unavoidable		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2453	665	Petiti	on to revive - unintentional	<u> </u>	
Fee from		1,330	2501		•	rissue fee (or reissue)		
Extra Claims below Fee Paid Total Claims X	1502	480	2502		•	gn issue fee		
Independent 2** -	1503	640	2503			t issue fee		
Claims -3 =	1460	130	1460			ons to the Commissioner		
Large Entity 1 Small Entity	1807	50	1807			essing fee under 37 CFR 1.17(q)		
Fee Fee Fee <u>Fee Description</u>	1806	180	1806			nission of Information Disclosure Stmt		
Code (\$)	8021	40	8021	40	prope	rding each patent assignment per erty (times number of properties)		
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385		a submission after final rejection FR 1.129(a))		
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385		ach additional invention to be		
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385		nined (37 CFR 1.129(b)) uest for Continued Examination (RCE)		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900		uest for expedited examination design application		
· ·	Other	fee (sp	ecify) _					
**or number previously paid, if greater; For Reissues, see above substituting fee Paid substitution fee Paid s								
SUBMITTED BY (Complete (if applicable))								
Name (Print/Type) Neil F Malones		Registra	tion No.	42,	833	Telephone 603-886-6100		

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

March 18, 2004